

**STATE OF CALIFORNIA  
CALIFORNIA ENERGY COMMISSION**

Minutes of the December 17, 2008, Energy Commission Business Meeting.

The meeting was called to order at 10:04 a.m. by Chairman Jackalyne Pfannenstiel. The Pledge of Allegiance was led by Chairman Pfannenstiel.

Present:

Jackalyne Pfannenstiel, Chairman  
James D. Boyd, Vice Chair  
Arthur H. Rosenfeld, Commissioner  
Jeffrey D. Byron, Commissioner  
Karen Douglas, Commissioner

Vice Chair Boyd started the meeting by noting that this was Chairman Pfannenstiel's last Business Meeting, as she is not going to seek re-appointment and her term will be ending January 6, 2009. He read a letter from the Governor commending the Chairman for her outstanding service. Commissioner Byron then read a resolution from the Senate to the Chairman, and Commissioner Rosenfeld read a resolution from the Energy Commission. All Commissioners then expressed their gratitude for being able to work with Chairman Pfannenstiel for the past five years. The accolades ended with a standing ovation from the overflow crowd attending the meeting.

1. CONSENT CALENDAR. (Items on the Consent Calendar will be taken up and voted on as a group. A Commissioner may request that an item be moved and discussed later in the meeting.)
  - a. GLOBAL GREEN USA. Possible approval of Amendment 1 to Contract 500-04-023 with Global Green USA for a no-cost time extension of 11 months for the Affordable Multi-family Zero Energy New Home (ZENH) project. The project was delayed because of the withdrawal and replacement of one key partner. Contact: Elaine Hebert.
  - b. AMERICAN WATER WORKS ASSOCIATION RESEARCH FOUNDATION. Possible approval of Amendment 1 to Contract 500-03-025 for a one-year, no-cost time extension to complete energy efficiency projects for water and wastewater utilities. Contact: Paul Roggensack.

*Commissioner Rosenfeld moved and Commissioner Boyd seconded approval of the Consent Calendar. The vote was unanimous. (5-0)*

2. LIPPMAN CONSULTING, INC. Possible approval of Purchase Order 08-445.03-008 for \$39,000 to Lippman Consulting, Inc. for a one-year subscription to web-based natural gas databases and models. The Lippman database is unique, and includes natural gas pipeline and field production data not available elsewhere. Staff will use this information to develop inputs for the Energy Commission's natural gas model and make assessments of natural gas supply. (ERPA funding.) Contact: Ruben Tavares. (5 minutes)

*Commissioner Byron moved and Commissioner Boyd seconded approval of Purchase Order 08-445.03-008. The vote was unanimous. (5-0)*

3. NETWORK DESIGN ASSOCIATES, INC. Possible approval of Purchase Order 08-409.00-005 for \$100,000 with Network Design Associates, Inc. for project specific and desktop productivity application training and support, and Macintosh service support. (ERPA funding.) Contact: Larry Smith. (5 minutes)

*Commissioner Boyd moved and Commissioner Byron seconded approval of Purchase Order 08-409.00-005. The vote was unanimous. (5-0)*

4. ENTERPRISE NETWORKING SOLUTIONS, INC. Possible approval of Purchase Order 08-409.00-006 for \$250,000 with Enterprise Networking Solutions, Inc. to provide technical support and systems integration for the Energy Commission's information technology infrastructure. (ERPA funding.) Contact: Larry Smith. (5 minutes)

*Commissioner Boyd moved and Commissioner Douglas seconded approval of Purchase Order 08-409.00-006. The vote was unanimous. (5-0)*

5. LAWRENCE BERKELEY NATIONAL LABORATORY. Possible approval of Work Agreement MRA-02-079 for \$250,000 under Master Research Agreement 500-02-004 with the Regents of the University of California to update and improve the California Energy Balance (CALEB) database. The CALEB database provides reliable and concise energy statistics for energy policy analysis and forecasting. (PIER electricity funding.) Contact: Guido Franco. (5 minutes)

*Commissioner Boyd moved and Commissioner Rosenfeld seconded approval of Work Agreement MRA-02-079. The vote was unanimous. (5-0)*

6. DESERT RESEARCH INSTITUTE. Possible approval of competitive Grant Agreement PIR-08-010, awarding \$399,990 to Desert Research Institute to advance knowledge of appropriate methods for long-term monitoring of groundwater resources and recharge in the mountains of California. (PIER electricity funding.) Contact: Guido Franco. (5 minutes)

*Commissioner Boyd moved and Commissioner Byron seconded approval of Grant Agreement PIR-08-010. The vote was unanimous. (5-0)*

7. UC DAVIS. Possible approval of competitive Grant Agreement PIR-08-006, awarding \$199,997 to the University of California, Davis to determine the historical changes in landscape vegetation in the Sierra Nevada, and prepare the State of California for effective monitoring of California's forested regions under climate change. (PIER electricity funding.) Contact: Sarah Pittiglio. (5 minutes)

*Commissioner Boyd moved and Commissioner Douglas seconded approval of Grant Agreement PIR-08-006. The vote was unanimous. (5-0)*

8. WINROCK INTERNATIONAL. Possible approval of competitive Grant Agreement PIR-08-008, awarding \$299,424 to Winrock International to provide a full assessment of deforestation caused by urban development and the associated greenhouse gas emissions since 2000. The project will also link analyses on the economic and policy implications of current and future deforestation for development. (PIER electricity funding.) Contact: Sarah Pittiglio. (5 minutes)

*Commissioner Boyd moved and Commissioner Douglas seconded approval of Grant Agreement PIR-08-008. The vote was unanimous. (5-0)*

9. UC BERKELEY. Possible approval of competitive Grant Agreement PIR-08-001, awarding \$199,999 to the Regents of the University of California, Berkeley to produce data on the history of bird occupancy in the coastal counties of California by resurveying sites in the historical Grinnell Survey. The information will be used to create a model to predict changes in species' ranges due to climate change. Results will be used in future integrated climate models that will include both terrestrial and atmospheric inputs to predict changes in climate. (PIER electricity funding.) Contact: Sarah Pittiglio. (5 minutes)

*Commissioner Boyd moved and Commissioner Byron seconded approval of approval of competitive Grant Agreement PIR-08-001. The vote was unanimous. (5-0)*

10. UC BERKELEY. Possible approval of PIER Work Authorization MRA-02-080 for \$124,747, under the UC Master Research Agreement 500-02-004 with the Regents of the University of California – Office of the President/CIEE to build and test models designed to estimate changes in the distribution of small mammals in the Sierra Nevada using the historical Grinnell Survey database. Results will be used in future integrated climate models that will include both terrestrial and atmospheric inputs to predict changes in climate. (PIER electricity funding.) Contact: Sarah Pittiglio. (5 minutes)

*Commissioner Byron moved and Commissioner Boyd seconded approval of PIER Work Authorization MRA-02-080. The vote was unanimous. (5-0)*

11. ELECTRIC POWER RESEARCH INSTITUTE, INC. Possible approval of Amendment 1, adding \$1,225,602 to Contract 500-06-052 with Electric Power Research Institute (EPRI) to continue participation in collaborative research projects. Participation allows Energy Commission staff ready access to current research, information and expertise regarding current and future energy research projects. Research projects added by this amendment include: Efficient Transmission and Distribution Systems for a Low-Carbon Future, Intelligrid, Energy Storage, Power Quality for Improved Power Delivery Performance, and Coal Fleet for Tomorrow – Future Generation Operations. (PIER electricity funding.) Contact: Mike Gravely. (5 minutes)

*Commissioner Boyd moved and Commissioner Byron seconded approval of Amendment 1 to Contract 500-06-052. The vote was unanimous. (5-0)*

12. GAS TECHNOLOGY INSTITUTE. Possible approval of Contract 500-08-023 for \$479,650 with Gas Technology Institute to develop and demonstrate the Transport Membrane Condenser at a California industrial drying host site. (PIER natural gas funding.) Contact: Michael Lozano. (5 minutes)

*Commissioner Boyd moved and Commissioner Byron seconded approval of Contract 500-08-023. The vote was unanimous. (5-0)*

13. RESIDENTIAL COMPLIANCE MANUAL FOR 2008 BUILDING ENERGY EFFICIENCY STANDARDS. Possible certification of the *Residential Compliance Manual for the 2008 Building Energy Efficiency Standards*. Pursuant to Public Code

sections 25402(a)(1) and 25402.1(e), the *Compliance Manual* must be certified by the Energy Commission at least six months prior to the August 1, 2009, effective date for the 2008 Building Energy Efficiency Standards. Contact: Mazi Shirakh. (10 minutes)

*Commissioner Rosenfeld moved and Commissioner Byron seconded certification of the Residential Compliance Manual for the 2008 Building Energy Efficiency Standards. The vote was unanimous. (5-0)*

14. HOME ENERGY RATING SYSTEM (HERS) REGULATIONS. Possible adoption of proposed amendments to the California HERS Program Guidelines and the HERS Technical Manual, which is proposed for adoption by reference in the regulations. These documents are published collectively as 15-Day Language Express Terms dated December 1, 2008. Contact: Helen Lam. (15 minutes)

*Commissioner Rosenfeld moved and Commissioner Douglas seconded adoption of the proposed amendments to the California HERS Program Guidelines and the HERS Technical Manual. The vote was unanimous. (5-0)*

15. DEMAND FORECAST AND RESOURCE PLAN DATA REQUEST. Possible adoption of forms and instructions for the Demand Forecast and Resource Plan Data Request in support of the 2009 Integrated Energy Policy Report. Contact: Andrea Gough. (10 minutes)

*Commissioner Byron moved and Commissioner Boyd seconded adoption of the forms and instructions for the Demand Forecast and Resource Plan Data Request. The vote was unanimous. (5-0)*

16. 2008 RULEMAKING ON IMPLEMENTATION OF WASTE HEAT AND CARBON EMISSIONS REDUCTION ACT. Possible adoption of proposed order to institute a rulemaking proceeding to implement the Energy Commission's obligations under the Waste Heat and Carbon Emissions Reduction Act (Assembly Bill 1613, Blakeslee, Chapter 713, statutes of 2007). Public Utilities Code section 2843 directs the Energy Commission to adopt by January 1, 2010 guidelines establishing technical criteria for eligibility of new Combined Heat and Power (CHP) systems of not more than 20 megawatts for programs to be developed under the Act by the Public Utilities Commission, to incent the development of CHP in California. The proposed order delegates oversight authority over this proceeding to the Electricity and Natural Gas Committee. Contact: Galen Lemei. (5 minutes)

*Commissioner Boyd moved and Commissioner Byron seconded adoption of the order instituting rulemaking. The vote was unanimous. (5-0)*

17. **Approval of the December 3, 2008, Business Meeting Minutes.**

*Commissioner Rosenfeld moved and Commissioner Byron seconded approval of the December 3 Minutes. The vote was 4-0-1. Commissioner Boyd abstained.*

18. **Commission Committee Presentations/Discussion** – Commissioner Boyd spoke about the meeting last week hosted by the CPUC on carbon capturing, which CEC

representatives attended.

19. **Chief Counsel's Report** – Chief Counsel Bill Chamberlain gave a presentation on WECC (Western Electric Coordinating Council).
- 20.
21. **Executive Director's Report** – Executive Director Melissa Jones said it was an honor serving with Chairman Pfannenstiel and thanked her for her hard work during her term.
22. **Legislative Director's Report** – Legislative Director Chris Marxen was called to the Legislature for a meeting and was unable to make a report.
23. **Public Adviser's Report** – Public Adviser Elena Miller also expressed her gratitude to Chairman Pfannenstiel and thanked her for the encouragement she received.
24. **Public Comment** – Kathy Treleven, PG&E, and Manuel Alvarez, SCE, expressed their thanks to Chairman Pfannenstiel for her hard work and dedication during her term.

Appearances:

Mr. Jeff Chapman, California Living and Energy

Mr. Charles Segerstrom, PG&E

Mr. Robert Scott, CHEERS

Mr. Mike Bachand, CalCERTS

Mr. Mike Hodgson, ConSol

Mr. Erik Emblem, Joint Committee on Energy & Environment

Mr. Bob Knight, BKi

Mr. Tom Conlin, GeoProxis

There being no further business, the meeting was adjourned at 12:15 with the presentation by Bill Chamberlain ending at 12:45.

Respectfully submitted,

LANA MCALLISTER

Acting Secretary to the Commission